

ABSTRACT

A device used for measuring the angle of torque beyond a specific reference point. The device is comprised of a tool that applies torque to a fastener, an adapter that is attached to the fastener to transfer the torque from the
5 tool, and an apparatus that connects a first end to the tool and a second end to the adapter. The apparatus comprises an angle selector that is adjustable to the desired torque angle, an angle rate sensor that measures the speed and direction of the torque applied, a processor which calculates the current angle from the rate sensor measurements, a zero point indicator that serves as the basis point for the
10 processor to calculate the selected angle, and an angle indicator that indicates the current angle of rotation.

DEPARTMENT OF COMMERCE